CNRS No.: 85256-05

11874-016-999

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: LaColla et al. Confirmation No.: 9201

Serial No.: 10/609,298 Art Unit: 1623

2' AND 3' NUCLEOSIDE PRODRUGS

Filed: June 27, 2003 Examiner: T. McIntosh III

FOR TREATING FLAVIVIRIDAE (CAM: 417451-999016)

Attorney Docket No:

INFECTIONS IDX 1017

TERMINAL DISCLAIMER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:

For:

The owners of the entire interest in the above-identified application, Idenix Pharmaceuticals, Inc., Universita Degli Studi Di Cagliari, Centre National de la Recherche Scientifique and L' Université Montpellier II (collectively "owners"), hereby disclaim the terminal part of the statutory term of any patent granted on the above-identified application which would extend beyond the expiration date of the statutory terms of U.S. Patent Nos. 6,812,219, 6,914,054 and 7,105,493 ("the reference patents"). The owners hereby waive the right to separately enforce the reference patents and any patent granted on the above-identified application. The owners hereby agree that the reference patents and any patent granted on the above-identified application shall be enforceable only for and during such period that the reference patents and any patent granted on the above-identified application are not separately enforced.

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The owners do not disclaim any terminal part of any patent granted on the above-identified application prior to the expiration date of the full statutory terms of the reference patents in the event that one or more of said patents later expire for failure to pay a maintenance fee, are held unenforceable, are found invalid, are

statutorily disclaimed in whole or terminally disclaimed under 37 C.F.R. 1.321(a), have all claims canceled by a reexamination certificate, or are otherwise terminated prior to the expiration of the full statutory term, except for the waiver and this agreement as stated above.

The undersigned hereby confirm they have reviewed the assignments and, to the best of their knowledge and belief, title is in the assignees seeking to take action in this matter and that they are empowered to act on behalf of Idenix Pharmaceuticals, Inc., Universita Degli Studi Di Cagliari, Centre National de la Recherche Scientifique and L' Université Montpellier II.

The undersigned hereby declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

			Idenix Pharmaceusicals, Inc.
Date:	Merch	30, 2009	By:
			Name: Jean - Pierre Somma dossi
			Position: Chief Executive Officer
			Universita Degli Studi di Cagliari
Date:	***************************************		Ву:
			Name:
			Position:
			Centre National de la Recherche Scientifique
Date:	and the second s		Ву:
			Name:
			Position:
			L' Université Montpellier II
Date:			By:
			Name:
			Position:

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	Idenix Phormaceuticals, Inc.
Date:	By:
	Name:
	Position:
Date: <u>23-03-</u>	
	Name: IL RETTORE Position: (Pasquale Mistretta)
	Centre National de la Recherche Scientifique
Date:	Ву:
	Name:
	Position;
	L' Université Montpellier II
Date;	Ву:
	Name:
	Position:
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CNRS No.: 85256-05

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Idenix Pharmaceuticals, Inc.

		,
Date:		Ву:
		Name:
		Position:
		Universita Degli Studi di Cagliari
Date:		Ву:
		Name:
		Position:
		Centre National de la Recherche Scientifique
Date:	3 0 MARS 2009	By: Directeur de la Politique Industrielle
		Name:
		Position: Marc J. LEDOUX
		L' Université Montpellier II
Date:		By:
		Name:
		Position:

CNRS No.: 85256-05

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	idenix Fharmaceuticais, inc.
Date:	Ву:
	Name:
	Position:
	Universita Degli Studi di Cagliari
Date:	By:
	Name:
	Position:
	Centre National de la Recherche Scientifique
Date:	Ву:
	Name:
	Position:
	L' Université Montpellier II
Date: 11/03/2009	Ву:
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PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT (this "Assignment"), effective as of March 4, 2009 (the "Effective Date"), is made by and among Idenix Pharmaceuticals, Inc., a corporation organized under the laws of the State of Delaware, USA ("Idenix USA"), Idenix SARL, a [corporation] organized under the laws of France ("Idenix France"), Idenix (Cayman) Limited, a company organized under the laws of the Cayman Islands ("Idenix Cayman"), the Università degli studi di Cagliari, a university organized under the laws of Italy ("University of Cagliari"), the Centre National Del La Recherche Scientifique, a [corporation] organized under the laws of France ("CNRS"), and L'Université Montpellier II, a [public institution] organized under the laws of France ("UM II"). (Idenix USA, Idenix France, Idenix Cayman, University of Cagliari, CNRS and UM II also may be referred to herein individually as a "party" and collectively as the "parties.")

RECITALS

- A. Idenix France, on behalf of itself and Idenix USA, and CNRS and UM II are parties to that certain Restated and Amended Cooperative Joint Research Agreement dated as of May 7, 2003 (the "French Joint Research Agreement"), pursuant to which each of the parties thereto agreed to jointly own all "Results" (as defined therein) and patents covering such Results.
- B. Idenix France, through its predecessor Novirio SARL, and the University of Cagliari are parties to that certain Co-Operative Antiviral Research Activity Agreement dated January 4, 1999, as amended (the "Italian Joint Research Agreement"), pursuant to which each of them have agreed to jointly own all results obtained from the activities taken thereunder and patents covering such results.
- C. Idenix France, through its predecessor Novirio SARL, and Idenix Cayman, through its contributor Novirio Pharmaceuticals Limited, a corporation formerly organized under the laws of the Cayman Islands, are parties to that certain Research and Development Agreement dated as of August 24, 1998 pursuant to which Idenix Cayman owns all intellectual property rights developed pursuant to "Projects" (as defined therein), except certain of such rights owned by Idenix USA.
- D. The inventors of the United States and foreign patents and patent applications listed on <u>Attachment A</u> assigned their individual rights, titles and interests to their respective employers before the Effective Date.
- E. The parties desire that each of Idenix USA, University of Cagliari, CNRS and UM II (collectively, the "Joint Assignees") each jointly own an equal, undivided right, title and interest in the Jointly Owned Patents (as defined below), subject to the rights and obligations of each Joint Assignee with respect thereto set forth in the French Joint Research Agreement or the Italian Joint Research Agreement, as applicable, through partial assignments by the respective owners as of the Effective Date as necessary to accurately document and record such agreement.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration (including the premises and covenants set forth in the Italian Joint Research Agreement and the French Joint Research Agreement), the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

Each of the parties (each an "Assignor") hereby irrevocably assigns, transfers and sets over to the Joint Assignees all or such portion of such Assignor's right, title and interest in and to the patents and patent applications listed on Attachment A (if any), together with any foreign counterparts or equivalents thereto, existing now or in the future and including, but not limited to, patents of utility, improvement or addition, utility model and appearance and industrial design patents and inventors certificates, as well as divisionals, reissues, continuations (in whole or in part), renewals and extensions of any of the foregoing and any patents that may issue from any of the foregoing or any reissues or reexaminations thereof, and including the inventions described or claimed in the foregoing (all of the foregoing, collectively, "Jointly Owned Patents"), for each Joint Assignee's use and enjoyment, and for the use and enjoyment of their respective successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by each Assignor if this assignment had not been made, in each case such that all of the Joint Assignees hereby jointly own an equal, undivided right, title and interest to all of the Jointly Owned Patents, subject to the terms and conditions of the French Joint Research Agreement and Italian Joint Research Agreement, as applicable.

Each Assignor authorizes and requests the United States Commissioner of Patents and Trademarks and any other similar government authority to record each Joint Assignee as a joint owner of the Jointly Owned Patents and issue any and all patents issued thereon to the Joint Assignees jointly, as assignees collectively of the entire right, title and interest in, to and under the same, for the sole use and enjoyment of the Joint Assignees jointly and their respective successors, assigns or other legal representatives.

Assignors shall provide the Joint Assignees and their respective successors, assigns or other legal representatives, reasonable cooperation and assistance, including the execution and delivery of any and all affidavits, declarations, oaths, exhibits, assignments, powers of attorney or other documentation, as may be reasonably required in the implementation, recordation or perfection of this Assignment. Each of the parties hereby irrevocably appoints Idenix USA and its successors, assigns and other legal representatives as the true and lawful attorney-in-fact on Assignor's and Joint Assignee's behalf and in Assignor's and/or Joint Assignee's name, place and stead, to execute any further documents or instruments and do any and all further acts that may be deemed appropriate by Idenix USA and its successors, assigns and other legal representatives to effect the assignments to the Joint Assignees and their respective successors, assigns and other legal representatives, of the rights, titles and interests made hereby, and to enable such assignments to be recorded and/or perfected in the United States and all foreign countries, and to maintain, issue or extend any Jointly Owned Patents.

Each party is solely responsible for its costs and expenses associated with the execution and delivery of this Assignment. Each Joint Assignee shall be responsible for 25% of all of the out of pocket costs and expenses actually incurred by Idenix USA in connection with the recording or other perfection of this Assignment within the United States and all foreign

countries, including, but not limited to, any recording fees, taxes or other charges payable to any governmental authority or local attorney/agent in connection therewith.

This Assignment may be executed in one or more counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. This Assignment is governed by the laws of the State of Delaware.

<signature pages follow>

IN WITNESS WHEREOF, each of the parties have executed and delivered this Assignment to effective as of the Effective Date.

Idenix Pharmaceuticals, Inc.

Somme dossi Name: Jean - Pierre

Title: Chief Exercise Office

Idenix SARL

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Ву:	e The	<u> </u>	
Name:	Jean Pierre	Somer dessi	
Title:	Director		

Idenix (Cayman) Limited

	$\mathcal{O}_{\mathcal{A}}$
Ву:	
Name:	Jean-Pierre Sommadossi
Title:	D.rection

Università degli studi di Cagliari

Dy:		management of the late of	
Name:	PA SQUALE	MISTRETT	Ά

Title: Rector

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Centre National Del La Recherche Scientifique

Ву:	Directeur	de la,P	olitiqu	e Indu	strielle
Vlam		1	H^{-}	1	

itle: Marcy LEDOUX

L'Université Montpellier II

SITE MONDA	By:	*
	Name: _	The Donnele HERIN
	Title:	Prélidente
ET TOTAL		1 4
W. De	7	
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Attachment A

Jointly Owned Patents

(See attached.)

Attachment A for Patent Assignment Agreement

		2' and 3' Nucleoside Prodrugs for Treating Hepatitis C Virus	2° and 3° Nucleoside Prodrugs for Treating Flaviviridae Infections	2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	2' and 3' Nuckoside Prodrugs for Treating Flaviviridae Infections	2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	2 and 3' Nucleoside Prodrugs for Treating Flaviviridae Intections
Tick		2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside	2' and 3' Nucleoside
Filed		6/28/02	6/27/03	12/6/04	12/6/04	12/6/04	12/6/04	12/6/04	12/6/04	12/6/04
Serial No.		60/392,351	10/609,298	11/005,471	13/005,442	11/005,466	11/005,440	11/005,443	11/005,446	11/005,472
Inventor		Gosselin, G. Sommadossi, JP. Moussa, A. Pierra, C. Benzaria-Prad, S. Dukhan, D. LaColla, P.	LaColla, P. Sommadossi, JP. Gosselin, G. Storer, R.	Gosselin, G. Storer, R. LaColla, P. Sommadossi, JP.	Gosselin, G. LaColla, P. Sommadossi, JP.	Gosselin, G. LaColta, P. Sommadossi, JP.	Gosselin, G. LaColla, P. Sommadossi, JP.	Gosselin, G. (Siorer, R.) LaColla, A. Sommadossi, JP.	Gosselin, G. LaColla, A. Sommadossi, JP.	Gosselin, G. LaColla, A. Sommadossi, JP.
Type Related/ Country		PROV	11874-015-888 11874-016-888 11874-130-888	CON of 11874-016-999	CON of 11874-016-999	CON of 11874-016-999	CON of 11874-016-999	CON of 11874-016-999	CON of 11874-016-999	CON of 11874-016-999
Idenix Ref. No.		1017 US PROV	1017 US	1017 US CON 1	1017 US CON 2	1017 US CON 3	1017 US CON 4	1017 US CON 5	1017 US CON 6	1017 US CON 7
Docket No.	tent Family	1874-016-888	11874-016-999	11874-047-999	11874-(48-999	11874-049-999	11874-050-999	11874-051-999	11874-052-999	11874-053-999
Jones Day CAM	IDX 1017 Patent Family	417451-888016	417451-999016	417451-999047	8+0666-164714	4 (4 3 i - 9 3304 9	417451-999050	417431-999051	417451-999052	41/451-999053

Title	2 and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	F. 2. and 3. Modified Nucleoside Derivatives for Treating Flaviviridae Infections	F. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1.2° and 3° Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae. Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1'. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1: 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1, 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections
Filed	12/6/04	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	627/03	6/27/03	627/03
Serial No.	11/005,444	2,490,200	2003263412	537250	PA/s/2004/0 12779	1336-2003	660-2003	2004- 517162	20050466	2005102096
Inventor	Gosselin, G. LaColla, A. Sommadossi, JP.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	4·1.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.
Type Related/ Country	CON of 11874-016-999	Canada	Australia	New Zealand	Mexico	Chile	Peru	Japan	Norway	Russian Fcd.
Idenix Ref. No.	1017 US CON 8	1017 CA	1017 AU	1017 MZ	1017 MX	1017 CL	1017 PE	1017 JP	1017 NO	1017 RU
Docket No.	11874-054-999	11874-016-001	11874-016-007	11874-016-008	11874-016-009	11874-016-010	11874-016-011	11874-016-012	11874-016-015	1874-016-019
Jones Dav	417451-9999054	417451-001016	417451-607016	417451-008016	417451-009016	41/451-010016	41/451-011016	417451-412016	417451-015016	910×10-15#/14

Title	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	1.2° and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1; 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1. 2° and 3° Modified Nucleoside Derivatives for Treating Flaviviridae Infections
Filed	8/9/05	6/30/03	6/30/03	6/27/03	60/1709	6/30/03	6/27/03	6/27/03	6/27/03
Serial No.	05106836.0	1106-2003	P030102365	P10312271-9	159602003	27.876	SP-151-03 (SP23015)	200407794-	341/RELNP/ 2005
Inventor	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Storer, R. Gosselin, G. Imbach, JL. Sommadossi, JP. Moussa, A.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storar, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	- T
Type Related/ Country	Hong Kong	Venezuela	Argentina	Brazil	Paraguay	Unguay	Bolivia	Singapore	Indía
Ref. No.	1017 HK	1017 VE	1017 AR	1017 BR	1017 PY	1017 UY	1017 BO	1017 SG	NI 2101
Docket No.	11874-016-023	11874-016-025	11874-316-036	11874-016-037	11874-016-039	11874-016-040	11874-016-041	11874-016-055	11874-016-056
CAM	4 17451-023016	417451-025016	41/451-036016	41/4>1-037016	417451-039016	417451-040016	417451-041016	417451-055016	417451-056016

									
Title	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1'. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1'. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	17.22 and 32 Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1, 2, and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections
Filed	627/06	6/28/03	6/27/03	627/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03
Serial No.	W00200500 216	617/2003	28072	1-2005- 500175	083423	03820690.0	2004/10289	P374792	P-1141/04
Inventor	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gossclin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.
Type Related/ Country	Indonesia	Едурі	Могоссо	Philippines	Thailand	China	South Africa	Potand	Yugoslavia (former)
Idenix Ref. No.	OI / IOI	1017 EG	1017 MA	1017 РН	1017 TH	1017 CN	1017 ZA	1017 PL	UV 7101
Docket No.	11874-016-076	11874-016-073	11874-016-106	11874-016-117	11874-016-131	11874-016-146	11874-016-147	11874-016-150	11874-016-154
CAM CAM	417451-076016	417451-078016	417451-106016	417451-117016	417451-131016	417451-146016	417451-147016	417451-150016	417451-154016

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Title	1'. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	12" and 3" Modified Nucleoside Derivatives for Treating Flavivindae Infections	1, 2 and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1'.2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nuckoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nuckoside Derivatives for Treating Flaviviridae Infections	1'. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1', 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections
Filed	6/27/03	627/03	6027/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03
Serial No.	168591	578/2003	92117542	10-2004- 7021337	1/2005- 00109	1200400341	03761749.5	PCT/IB2003 /003901	P120032435
Inventor	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Somnadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storet, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.
Type Related/ Country	Israel	Pakistan	Taiwan	South Korea	Vietnam	OAPI	ЕРО	PCT	Malaysia
Idenix Ref. No.	1017 IL	1017 PK	1017 TW	1017 KR	NV 7101	1017 OA	1017 EP	1017 WO	1017 MY
Docket No.	11874-016-158	11874-016-178	11874-016-185	11874-016-187	11874-016-189	11874-016-214	11874-016-227	11874-016-228	11874-016-241
CAM	417451-158016	41/451-178016	41,431-183016	41/451-18/016	417451-189016	41/451-214016	417451-227016	417451-228016	417451-241016

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Title	1'. 2' and 3' Modified Nuckoside Derivatives for Treating Flaviviridae Infections		Modified 2' and 3' Nucleoside Prodrugs for Treating Hepatitis C Virus	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridue Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
Filed	627/03		6/28/02	6/27/03	12/6/04	12/6/04	12/6/04	12/6/04	12/6/04	12/6/04
Serial No.	AP/P/05/003		60/392,350	10/608,907	11/005,445	11/005,473	11/005,468	11/005,467	11/005,470	11/005,447
Inventor	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.		Storer, R. Gosselin, G. Sommadossi, JP. Moussa, A. LaColla, P.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.
Type Related/ Country	ARIPO		PROV	11874-015-888 11874-055-888 11874-130-888	CON of 11874-055-999					
Idenix Ref. No.	1017 AP		1018 US PROV	1018 US	1018 US CON 1	1018 US CON 2	1018 US CON 3	1018 US CON 4	1018 US CON 5	1018 US CON 6
Docket No.	11874-016-262	ntent Family	1 874-055-888	11874-055-999	1 874-056-999	11874-057-999	11874-058-999	11874-059-999	1874-060-999	11874-061-999
CAM	417451-262016	IDX 1018 Patent Family	417451-888055	417451-999055	417451-999056	417451-999057	417451-999058	417451-999059	417451-999060	417451-999061

Title	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flavivindae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
Filed	6/27/03	6/27/03	607703	8/12/05	6/30/03	6/30/03	6/27/03	6/27/03	6/30/03
Serial No.	2004- 517158	20050465	2005102013	05106974.2	1101-2003	P030102366	Pi0312286-7	15691/2003	27.875
Inventor	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	LaColla P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla, P. Storer, R. Gosselia, G. Sommadossi, JP.	Storer, R. Gosselia, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.
Type Related/ Country	Japan	Norway	Russian Fed.	Hong Kong	Venezuela	Argentina	Brazil	Paraguay	Unguay
Idenix Ref. No.	1018 JP	1018 NO	1018 RU	1018 HK	1018 VE	1018 AR	1018 BR	10 18 PY	(018 UY
Docket No.	11874-055-012	11874-055-015	11874-055-019	11874-055-023	11874-055-025	11874-055-036	11874-055-037		11874-055-040
Jones Day	417451-1112055	\$\$0\$10-1\$ \$ 71+	417451-019035	41,431-023053	41/451-025055	41 /451-036055	417431-037035	417451-039055	417451-040055

Title	Modified 2 and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 21 and 37 Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Produgs for Treating Flaviviridae Infections
Filed	6/30/03	6/27/03	6/27/03	6/27/03	4/18/2004	6/27/03	6/27/03	6/27/03	6/27/03
Serial No.	SP-150-03	200407747. 5	343/DELNP /2005	WO0200500 215	171/2004	28069	1-2005- 500173	083424	03820501.7
Inventor	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.
Type Related/ Country	Bolivia	Singapore	India	Indonesia	Едэрі	Могоссо	Philippines	Thailand	China
Idenix Ref. No.	1018 BO	1018 SG	NI 8 IO	OI 8 ID	1018 EG	1018 MA	1018 PH	1018 TH	1018 CN
Docket No.	11874-055-041	11874-055-055	11874-055-056	11874-055-076	11874-055-078	11874-055-106	11874-055-117	11874-055-131	1874-055-146
Jones Day	41 /451-04 1055	41/431-055035	417451-056055	41/431-0/6035	41 /451 -078055	417451-106055	417451-117055	417451-131055	417451-146055

Title	Modified 2' and 3' Nuckoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flavryiridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
Filed	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03
Serial No.	2004/10249	P-374831	P-1140/04	165893	\$80/2003	92117546	10/2004- 7021286	1-2065- 00107	1200400344
Inventor	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaCotta, P. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sonumadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.
Type Related/ Country	South Africa	Poland	Yugoslavia (former)	Isracl	Pakistan	Taiwan	South Korea	Vietnam	OAPI
Idenix Ref. No.	1018 ZA	1018 PL	1018 YU	1018 IT	101 8 PK	1018 TW	1018 KR	NA 8101	1018 O.A
Docket No.	11874-055-147	11874-055-150	11874-055-154	11874-055-158	11874-055-178	11874-055-185	11874-055-187	1 874-055-189	[1874-055-214
Jones Day	41/431-147055	41/451-150055	417451-154055	41.7451-158055	41.451-1.8055	417451-185055	41/451-18/055	+17451-189055	417431-214035

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CAM	Docket No.	Idenix Ref. No.	Type Related/ Country	Inventor	Serial No.	Filed	Title
41/451-227055	11874-055-227	1018 EP	. Oda	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	03761744.6	6/27/03	Modified 2' and 3' Nuckoside Prodrugs for Treating Flaviviridae Infections
417451-228055	11874-055-228	1018 WO	PCT	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	PCT/IB2003 /003246	6/27/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
41/451-241055	11874-055-241	(018 MY	Malaysia	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	PI20032435	6/27/03	Modified 2' and 3' Nuckoside Prodrugs for Treating Flaviviridae Infections
350797-154/14	11874-055-262	1018 AP	ARIPO	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	AP/P/2005/0 03212	6/27/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
41/451-146144	11874-144-146	1018 CN (DIV)	China	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	2007101933 01.0	12/3/07	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
DX 1031 P ₂	IDX 1031 Patent Family						
417451-999026	11874-026-999	SD 1691	11874-016-888 11874-130-888	Sommadocsi, JP. La Colla, P. Gosselin, G.	10/607,909	6/27/03	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
417451-999086	11874-086-999	1031 US CON 1	CON of 11874-026-999	Sommadossi, JP. Gosselin, G. LaColla, P.	11/516,928	90/9/6	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
41 /451-001026	11874-026-001	1031 CA	Canada	Sommadossi, JP. La Colla, P. Gosselin ,G.	2,489,552	6/27/03	2-C-Methyl-3'-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
417451-007026	11874-026-007	1031 AU	Australia	Sommadossi, JP. La Colla, P. Gosselin, G.	2003248748	6027/03	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cyridine for Treament of Flaviviridae Infections
9708070-104714	11874-026-008	1031 NZ	New Zealand	Sommadossi, JP. La Coila, P. Gosselin , G.	537662	6/27/03	2-C-Methyt-3-O-L-Valine Ester Ribofaranosyl Cyridine for Treatment of Flaviviridae Infections

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Title	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridse Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2'-C-Methyl-3'-O-L-Valine Ester Ribofuranosyl Cyridine for Treatment of Flaviviridae Infoctions	2'-C-Methyl-3'-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3'-O-LValine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Riboluranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2C-Methyl-3:-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
Filed	6/27/03	6/30/03	6/30/03	6/27/03	6/27/03	6/27/03	20/61//	6/30/03	6/30/03	6027/03	6/27/03	6/30/03
Serial No.	PA/a/2004/0 12802	1338-2003	900661- 2003	2004- 518041	20050490	2005162080	05106114.3	1099-2003	P030102363	PI0312278-6	15962/2003	27.874
Inventor	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin .G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gossetin ,G.	Sommadossi, JP. La Colla, P. Gossetin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin, G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin , G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. 14 Colla, P. Gosselin , G.
Type Related/ Country	Mexico	Chik	Peru	Japan	Norway	Russian Fed.	Hong Kong	Venezuela	Argentina	Brazil	Paraguay	Uruguay
Idenix Ref. No.	1031 MX	1031 CL	1031 PE	1031 JP	1031 NO	1031 RU	1031 HK	103 1 V E	1031 AR	1031 BR	103 1 PY	1031 UY
Docket No.	11874-026-009	11874-026-010	11874-026-011	11874-026-012	11874-026-015	11874-026-019	11874-026-023	11874-026-025	11874-026-036	11874-026-037		11874-026-040
CAM	41 /451-009026	41/451-010026	417451-011026	417451-012026	417451-015026	417451-019026	41.451-023026	41/451-025026	417451-036026	417451-037026	417451-039026	47.451-040026

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Inventor		Sommadossi, JP. SP-230149 La Colla, P. Sommadossi, JP. 200407793- La Colla, P. 9		Sommadossi, JP. La Colla, P. Gossetin, G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gossetin .G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin .G.		
Type	Related/ Country	Bolivia	Singapore	India	Indonesia	Egypt	Morocco	Philippines	Thailand	China	South Africa	Poland		
Idenix	Ref. No.	1031 BO	1031 SG	1031 IN	1031 ID	1031 EG	1031 MA	103 1 P.H	1031 TH	1031 CN	1031 ZA	1031 PL	1031 YU Yugoslavia	
Docket No.		11874-026-041	11874-026-055	11874-026-056	11874-026-076	11874-026-078	11874-026-106	11874-026-117	11874-026-131	11874-026-146	11874-026-147	11874-026-150		
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1031 SG (DIV)	sc (Singapore	Sommadossi, JP. La Colla, P. Gosselin , G.	200700648- 9	1/26/07	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections

Title	2'-C-Methyl-3'-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2'-C-Methyl-3'-C-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections		1		5-AZ2-7-Deazamine Dentestine for Trans-Ti	ADDAY THE LIAVIVIDAC		5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae			5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae			5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae		
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Inventor	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gossetin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.		Gosselin, G.	Seela, F. LaColla, P.	Dukhan, D.	Gosselin, G. Scela, F.	LaColla, P. Storer, R.	Leroy, F.	Seela, C.	Storer, R. Dukhan, D.	Leroy, F.	Socia, c. Socia, F. LaColia, P.	Storer, R. Dukhan, D.	Leroy, F.
Type Related/ Country	India	China	South Africa	Pakistan		PROV			11874-077-888		i i			Australia			
Idenix Ref. No.	1031 IN (DIV)	1031 CN (DIV)	1031 ZA (DIV)	1031 PK (DIV)		1040 US PROV)		1040 US		1040 CA	3		1040 AU			
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Title	5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae	S-Aza-7-Deazapurine Derivatives for Treating Flaviviridae	5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae	5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae	5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae	5-Aza-7-Deazaputine Derivatives for Treating Flaviviridae	5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae
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Inventor	Gosselin, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	Gosselin, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	Coroy, F. Gosselin, G. Socia, F. LaColla, P. Storer, R. Duthan, D.	Letoy, F. Gosselin, G. Seela, F. LaColla, P. Storer, R. Duskhan, D.	Gosselia, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	Goselin, G. Seela, F. LaColla, P. Storer, R. Dukban, D.	Ceroy, F. Scela, F. LaColla, P. Siorer, R. Dukhan, D. Leroy, F.
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Inventor	Gosselin, G. Scela. F. LaColla, P. Storer, R.	Leroy, F. Gosselin, G. Seela, F. LaColla, P. Storer, R.	Leroy, F.
Type Related/ Country	KT.	Ukraine	
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